PRESIDENT’S MESSAGE

by Paul Croft

Thanks to Mike Vescio, Steve Todd and Bryan Karrick and their program committee members, the 29th Annual Meeting of the National Weather Association, set for 16-21 October in Portland, Oregon, looks like it’s going to be a great success. The preliminary agenda is printed in this issue for those planning to attend and for all interested in seeing the variety of studies being accomplished by members across the country. Presentations and workshops are also scheduled to help train us on the use of new technologies, new applied research and to remind us of the basics of operational meteorology. Corporate members will also be present to show us the latest in their products and services. Well-known leaders in our community will also present thoughts on the future of operational meteorology and be open to questions and discussion.

I hope to see many of our members there, but I realize it is difficult for most to attend and that is why we only count on about ten percent of our 3,000 plus members to participate each year. We’ll continue to keep the Annual Meeting registration fees as low as possible and move the meeting location each year to hopefully give many members the opportunity of attending at least once every three years. If you can’t get to Portland, plan now to attend the next meeting to be held in mid-October 2005 at the Adam’s Mark Hotel near the Arch in Saint Louis, Missouri.

Speaking of moving around the country – I’m happy to announce that I’ve accepted a Professor of Meteorology position at Kean University and during August moved from the University of Louisiana at Monroe to Union, New Jersey. You can contact me now at (908) 737-3720 or via e-mail at President@nwas.org or pcroft@kean.edu.

I’ll take the opportunity here to send best wishes to all college/university faculty, staff and students for a great new school year! I know Jessica Fieux (FSU), Owen Shieh (Cornell) and Ashley Marie Hayes (JSU) will be starting off this semester a little happier after winning NWA scholarships. It was a great pleasure for me to send them letters of congratulations. I know the NWA will continue to provide scholarships and hope we can increase the number of them in the years ahead.

At this time of year, our Executive Director purges the membership database of those that have not renewed for the year. He briefed me that we have lost ten percent of our members, which is typical of many associations. Of course, we hope to gain more than ten percent back in order to continue to grow. To help do that, we are offering a “back-to-school Special”. Prospective members are invited to join for the period 1 September 2004 through 31 December 2005 at a special rate of $34 ($17 for full-time students and retirees). The membership application on the NWA Web site shows that special and any individuals that have application brochures can write that special in. One of the benefits of membership can be secured next month by attending the Annual Meeting at reduced rates.

To those members (including 218 charter members joining in 1975 and 76) that did renew, I thank you for your commitment to the organization and its objectives and to your profession. Belonging to a professional association helps you and helps the profession move ahead. At the Annual Awards Luncheon on 20 October, I’ll announce the award winners, student scholarship and teacher grant winners — that couldn’t happen without a good membership base. I hope many of you can be in attendance at that luncheon, but if you can’t, please know that the award recipients will state their appreciation to all members — and, I will thank all of you again.

- Yours in Service – Paul Croft

IMPORTANT DATES AND EVENTS

15 September 2004 – Deadline to reserve a room at the Doubletree Hotel in Portland for the NWA Annual Meeting at reduced rates (503-281-6111) (pg 2)
4 October 2004 – Blue Hill Observatory in Milton, MA will host first day of issue of the Cloud Stamps (www.bluehill.org)
8 October 2004 – Deadline to preregister for the NWA Annual Meeting at reduced rates (www.nwas.org)
16-21 October 2004 – NWA 29th Annual Meeting (pg 2)
6 November 2004 – 5th Annual Southern New England Weather Conference, Brookline, MA (www.bluehill.org)
People, Pileus and Pondering in Portland…

First of all let me thank all of you for the kind comments about the “Ingredients for a Great Weathercast” series in the past four newsletters. Those articles are only a small portion of the information I have to offer, so if you want to get the full story, I will have a much more detailed version available for download at Website www.ApuzzoWeather.com. We all have greatness within us, and I will help you bring it to your daily weathercasts.

Once again a summer has flown by and we’re looking ahead to the fall and winter of 2004. Before we say goodbye to summer make a promise to yourself, and keep it — “I PROMISE TO GO TO THE 29th NWA ANNUAL MEETING IN PORTLAND, OREGON.” It’s hard to describe the experience of attending this yearly gathering, since it is unique to each person, so let me take a few minutes to paint a picture for you.

I have had a love for weather ever since I was 7 years old. Back in the 1960s and 70s the only way to satisfy my desire for knowledge was to read books or watch the local weatherman, who was generally not a meteorologist. I read, stared at the sky, watched the Chicago weathermen, and made my own little forecasts on the front porch of our house in the western suburbs of the Windy City. Now I still read, watch The Weather Channel, stare at the sky and make my forecasts from my home office in Cincinnati. Today, there are many more opportunities to learn than I ever had as a child, and the wonderful world of weather requires us to continue our education every day and every year. The Internet is a huge resource, but lacks a personal touch. However, many years ago I discovered an event that literally changed my life.

When I attended my first NWA Annual Meeting, I was nervous. I didn’t know anyone and felt sure I would be around a bunch of scientists who would make me feel inadequate about my education. In just one week, ten years ago in Salt Lake City, I made new friends that I still have today. Meteorologists of all skill levels welcomed me and I was even motivated to become more involved in the NWA. Today, as the Broadcast Meteorology Committee Chair, I write articles that are read by hundreds of meteorologists around the world. The annual meeting has grown considerably since 1994. We now have a fundraising golf outing on Saturday and a tape swap on Sunday night that is extremely well attended. I want to meet even more friends and make some new memories, so join me and hundreds of your colleagues this October in Portland. It can change your life too. Oh, in the title I used the word Pileus for alliteration, but if you’re wondering, it’s a thin “cap cloud” often seen on towering cumulus or cumulonimbus clouds, or at the peak of tall mountains.

Send your thoughts to me at rapuzzo@fuse.net. Please note my new e-mail address.

- Rich Apuzzo, Broadcast Meteorology Committee Chair

EFFECTIVE PRESENTATION TIPS

Are you preparing a presentation for the NWA Annual Meeting or another conference? If yes, Alan Sealls, a NWA Councilor and broadcast meteorologist has created a Web page that lists tips for creating a great presentation.

The page is titled, “Science Conference Presenters Tips” and includes ideas for keeping the audience engaged, tips for creating clear and pleasing graphic slides, what not to do when giving a presentation, and how to prepare for worst case scenarios. The Web page is located at: weatherthings.com/presenter.html.

Other presentation tips can be found on the NWA Web site on the Conferences and Special Events page: www.nwas.org/meetings/meetings.html

NWA ANNUAL MEETING AGENDA

This preliminary agenda (as of 3 September 2004) is provided for members planning to attend and as crossseed to all readers interested in knowing the variety of studies being done in the public, academic and private sectors. The agenda will be updated periodically on the NWA Web site (www.nwas.org).

The 29th Annual Meeting of the National Weather Association will be held 16-21 October 2004 at the DoubleTree Hotel & Executive Meeting Center Portland – Lloyd Center, Portland, Oregon. Attendees can register at the meeting or pre-register using the information in the July-August NWA Newsletter or the information on the NWA Web site (www.nwas.org).

To all prospective attendees -- please reserve a room at the DoubleTree Hotel-Lloyd Center by 15 SEPTEMBER to take advantage of reduced rates (503-281-6111), and preregister for the Annual Meeting before 8 OCTOBER to obtain reduced rates (www.nwas.org). Check in at the NWA Registration and Information desk at the DoubleTree Hotel as soon as possible after you arrive to obtain nametags and updated agenda.

Saturday, 16 October 2004

Third Annual Golf Classic: Betsy Kling is organizing the third annual NWA golf outing for the enjoyment of members and guests and to raise funds for scholarships as she did so successfully the last two years. The Golf Outing with tee times beginning at 11:00 AM will be held at the Heron Lakes Great Blue Golf Course in Portland - a beautiful course with great opportunities to win and be challenged. Several members have signed up already and Betsy wants to make sure EVERYONE knows they are most welcome to play golf even if not attending the Annual Meeting. Any profits from the event will benefit NWA educational scholarships. Total cost is $85 for greens fees, golf cart, the use of a driving range with unlimited balls, a boxed lunch and prizes*. Reserve your tee time by contacting Betsy at BKLING@wkyc.gannett.com or contact the NWA Office at (434) 296-9966; NatWeaAsoc@aol.com by the first of October. *Extra prizes will be used for a raffle during the Annual Meeting; prizes will be given away at the Awards Luncheon on Wednesday, 20 October.
Saturday, 16 October 2004 continued

1000 AM  NWA Registration and Information Desk opens in the foyer of the Multnomah Room (First Level of the Hotel)
1000 AM – 0800 PM  Exhibitors can set up their booths in the Pacific NW Ballroom (First Level of the Hotel)
0800 PM  NWA Registration and Information Desk closes for the day.

Exhibitors anticipated:  AccuWeather, Inc.; AWS Convergence Technologies, Inc./WeatherBug; Baron Services; National Weather Service; Northrop Grumman; Oregon Scientific; Science Applications International Corp (SAIC); US Environmental Protection Agency – AIRNOW; Vaisala, Inc.; Weather Central, Inc.; Weather Metrics; Weatherwise Magazine; WSI Corp. Their representatives will also be providing individual and group training to clients as time permits – please contact their representatives in advance. Exhibit booths will be open daily Sunday through Wednesday morning for viewing. Exhibit applications and information are available from the NWA office at (434) 296-9966 or NatWeaAsoc@aol.com.

Sunday, 17 October 2004 - Broadcaster Workshop

0730 AM  NWA Registration and Information Desk opens in the foyer of the Multnomah Room (First Level of the Hotel).

BROADCASTER WORKSHOP will be in the Multnomah Room (First Level of the DoubleTree Hotel). Presentations and workshops as shown below are directed at Television and Radio Broadcasters and those in related fields, but all individuals interested are most welcome to register, attend and participate.

0830 AM  Welcoming Remarks. NWA President Dr. Paul J. Croft, Professor of Meteorology, Kean University, Union, New Jersey, and Broadcaster Workshop Program Chair, Bryan Karrick of KCCI-TV, Des Moines, Iowa (bkarrick@hears.com)
0835 AM  Opening Remarks. NWA Broadcast Meteorology Committee Chair, Rich Apuzzo, WXIX-TV, Cincinnati, OH.
0840 AM  Public Alert: Delivers Emergency All-Hazard Warnings Everywhere, All the Time. Anne Hoffman, Oregon Scientific, Tualatin, OR.
0855 AM  NWS Fire and Public Weather Service Update: FY05 Initiatives. Richard Okulski, NOAA/NWS/OCWWS, Silver Spring, MD.
0910 AM  Northwest Weather in Pictures. Matt Zaffino, KGW-TV, Portland, OR.
0955 AM  Vendor Presentations
1015 AM  Coffee Break; Exhibits Open in the Pacific NW Ballroom

1145 AM  The Television Meteorologist's Role in the Commercial Weather Industry. Dr. Joel N. Myers, Dr. Barry Lee Myers, and Michael Steinberg, AccuWeather, Inc., State College, PA.
1200 Noon  Lunch on your own; Exhibits open in the Pacific NW Ballroom (committee is looking into having luncheon choices available in exhibit area)
0130 PM  Severe Weather Workshop. Daniel McCarthy (NWA Councilor), NOAA/NWS/Storm Prediction Center, Norman, OK.
0230 PM  A Positive Reinforcement Approach to Severe Weather Safety Education. Daniel J. Miller and Richard D. Smith, NOAA/NWS Forecast Office, Norman, OK.
0245 PM  Maintaining Operational Readiness in a Warning Environment: Development and Use of the Situational Awareness Display System (SADS). Liz Quotone (NWA Vice President), NOAA/NWS/WDTB, Norman, OK, David L. Andra and Michael P. Foster NOAA/NWS Forecast Office, Norman, OK, and Ed Mahoney, NOAA/NWS/WDTB, Norman, OK.
0300 PM  Vendor Presentations
0315 PM  Refreshment Break; Exhibits Open in the Pacific NW Ballroom
0345 PM  Inside Information: A New NWS Communication Tool and its Benefits to the Media. Kristine Kahane, Chief Meteorologist, KTVT-TV, Dallas-Ft.Worth, TX, and Gary Woodall, NOAA/NWS Forecast Office, Ft.Worth, TX.
0400 PM  The Perpetual Storm: A Case Study of the 21 May 2004 Great Lakes Derecho. Kirk Lombardy, NOAA/NWS Forecast Office, Cleveland, OH, and Betsy Kling (NWA Councilor), WKYC-TV, Cleveland, OH.
0415 PM  Probability Outlooks: Benefits and Correct Usage. Daniel McCarthy (NWA Councilor), NOAA/NWS/Storm Prediction Center, Norman, OK.
0430 PM  The Iowa Storm Chase: May 2004. John McLaughlin (NWA Past President), Chief Meteorologist, KCCI-TV, Des Moines, IA.
0445 PM  Meteorological Conditions Surrounding the Attempted Landing of a Passenger Plane During a Tornado Outbreak. Jay Trebre, Chief Meteorologist, KELO-TV, Sioux Falls, SD.
0500 PM  Weather and Management. An open Q & A on the corporate budget pinch and ways for weathercasters to get around it. Then, how to convince management of the benefits of continuing weather education and the importance of the NWA Seal of Approval.
0530 PM  Dinner On Your Own: NWA Registration and Information Desk and Exhibits Close for the Day.
0700 PM  ANNUAL TAPE SWAP. Refreshments sponsored by WSI Corporation will be served after 8:00 PM. [Attendees: please submit your VHS tapes to the NWA Registration and Information Desk volunteers by 05:00 PM & ensure that your name, address, and station are listed on the tape. Tapes not shown because of time constraints will be able to be critiqued by a small group of mentors at scheduled times during the meeting – a sign-up schedule will be at the NWA Information and Registration Desk]
1030 PM  NWA Broadcaster Workshop Concludes.
Monday, 18 October 2004 – Annual Meeting General Sessions (Multnomah Room unless otherwise specified)

0730 AM  NWA Registration and Information Desk opens in the foyer of the Multnomah Room (First Level of the Hotel).

0800 AM  Welcoming Remarks. NWA President, Paul J. Croft, Kean University, Union, NJ, and Program Co-Chairs: Mike Vescio, NOAA/NWS Forecast Office, Pendleton, OR, and Steve Todd, NOAA/NWS Forecast Office, Portland, OR.

0810 AM  Welcome to Portland. Miguel Ascaruzzo, Director of Emergency Management, Portland, OR.

0820 AM  Keynote Address. Brigadier General David L. Johnson USAF (Ret.), NOAA Assistant Administrator for Weather Services and Director, National Weather Service, Silver Spring, MD.

0900 AM  Keynote Address. Vickie Nadolski, NWS Western Region Director, NOAA/NWS, Western Region Headquarters, Salt Lake City, UT.

0930 AM  Keynote Address: Building a National Mesonet via COOP Modernization: The First Steps? Dr. Kenneth Crawford (NWA Past President) and Steven Pritchett, NOAA/NWS/Office of Science and Technology, Silver Spring, MD.

1000 AM  Coffee Break; Exhibits Open in the Pacific NW Ballroom

SESSION I - BROADCAST METEOROLOGY
Session Chair: Bryan Karrick, KCCI-TV, Des Moines, IA.

1030 AM  Northwest Weather in Pictures. Matt Zaffino, KGW-TV, Portland, OR.

1045 AM  An Internet Site for Professional Meteorologists. Kenneth Reeves, James T. Candor, and Michael Steinberg, AccuWeather, Inc., State College, PA.


1130 AM  Newspaper Weather: A Content Analysis Study of Newspaper Weather Pages. Richard W. Dixon, Texas State University, San Marcos, TX.

1145 AM  Hole Punch Clouds - The Uncloud. Alan Sealls (NWA Councilor), WKRG-TV, Mobile, AL.

1200 Noon  Lunch on Your Own; Exhibits Open in the Pacific NW Ballroom

SESSION II - FIRE WEATHER/AIR QUALITY
Session Chair: Phillip Breuser, Professional Meteorologist, North Bend, WA.

0130 PM  Current and Future Geostationary Fire Monitoring with the WF_ABA. Christopher C. Schmidt, Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison, Madison, WI.


0215 PM  Similarities Between Three Cases of High Wind in Washington’s Okanogan Valley. Andrew Haner, NOAA/NWS Forecast Office, Seattle, WA.

0230 PM  Implementation of a National Air Quality Forecast Capability. Dr. Paula Davidson and Dr. John L. Hayes, NOAA/NWS/Office of Science and Technology, Silver Spring MD, Kenneth Carey, Mitretek Systems, Inc., Falls Church, VA.


0300 PM  Refreshment Break; Exhibits Open in the Pacific NW Ballroom

SESSION III - AVIATION METEOROLOGY
Session Chair: Carolyn Kloth, NOAA/NWS/Aviation Weather Center, Kansas City, MO.

0330 PM  Development of a New En-route Graphical Weather Forecast for Aviation. Ronald J. Olson, NOAA/NWS/Aviation Weather Center, Kansas City, MO.


0400 PM  Prototype Aviation Collaborative Effort (PACE) Providing Tactical Decision Aids to FAA Air Traffic Managers. Thomas Amis, NOAA/NWS/CWSU, Fort Worth, TX, and Dennis M. Rodgers, NOAA/Forecast Systems Laboratory, Boulder, CO.

0415 PM  Describing and Demonstrating the Application Version of ADDS. Lynn Sherretz, NOAA/Forecast Systems Laboratory, Boulder, CO, and Gregory Thompson, NCAR Research Application, Boulder, CO.

0430 PM  Weather Theory For Pilots. Terry Lankford, FAA Retired and Author, Murphys, CA.


0500 PM  Special Award presentation. NWA President Paul J. Croft.

0530 PM  ICE BREAKER and POSTER SESSION I in the Pacific NW Ballroom (time to view exhibits and posters, meet other attendees and enjoy refreshments)

POSTERS:
P1.1 Volcanic Ash Detection Capabilities Using GOES-12. Gary Ellrod, NOAA/NESDIS, Camp Springs, MD, and Anthony J. Schreiner, CIMSS/University of Wisconsin-Madison, Madison, WI.

P1.2 New Satellite Data Tools for Precipitation Analyses and Forecasts. Sheldon J. Kusselson, NOAA/NESDIS, Camp Springs MD

P1.3 A Comparison of Multi-sensor Hail Detection Techniques. Travis Smith, CIMMS/Univ of OK and NOAA/NSSL, Norman, OK, Greg Stumpf CIMMS/Univ of OK and NOAA/NWS/MDL, Norman, OK, and James Hocker, CIMMS/Univ of OK and NOAA/NWS/MDL, Norman, OK.


P1.5 GIS Data and Activities at the West Gulf River Forecast Center. Keith Stellman and Paul McKee, NOAA/NWS/WGRFC, Fort Worth, TX.

P1.6 Calculated Vertical Motions in a Southern Hemisphere Blocking and Cyclone Event. Douglas E. Tilly, Anthony R. Lupo, and Christopher Melick, University of Missouri-Columbia, Columbia, MO.

P1.7 Interannual Variability of Tropical Cyclones in the Southern South China Sea. Zahabi Md. Zuki and Anthony R. Lupo, University of Missouri-Columbia, Columbia, MO.
Monday, 18 October 2004 continued

P1.8 The Climate Data Retrieval System. John P. Gagan, NOAA/NWS Forecast Office, Jackson, MS and Steve A Listema, NOAA/NWS Forecast Office, Sterling, VA.


P1.10 Updated Tornado Trends Across the U.S. Daniel McCarthy (NWA Councilor), and Joseph T. Schaef er (NWA Past President), NOAA/NWS/Storm Prediction Center, Norman, OK.

P1.11 Students Future SECURED. Paul J. Croft (NWA President), Kean University, Union, NJ.


P1.15 Development of Statistically-Based Climatology for the Support of Local Aviation Forecasting. Christopher C. Buonanno and Paul Iniguez, NOAA/NWS Forecast Office, Little Rock, AR.

P1.16 A Very Long-Lived Tornado in Central Indiana. David Tucek, John Kwiatkowski and Sally Pavlov, NOAA/NWS Forecast Office, Indianapolis, IN.

P1.17 Discovery of Annual and Seasonal Precipitation Micro-Climates Within South Louisiana. Suzanne Van Cooten, NOAA/NWS/National Buoy Data Center, Stennis Space Center, MS, and Donald Barbe, University of New Orleans, New Orleans, LA.


P1.19 Capitalizing on Cloudscapes and other Cloud Opportunities as Teaching Resources. H. Michael “Mike” Mogil, Editor-in-Chief, Science Weekly, Inc., Rockville, MD.


P1.21 Interannual Variability of Surface Longwave Radiation over the African Continent as Derived from AVHRR. Kristopher B. Karnauskas, University of Maryland, College Park, MD.

P1.22 The Prediction of Non-Surface-Based Thunderstorms in the Pacific Northwest. Ronald Miller, NOAA/NWS Forecast Office, Spokane, WA.

0730 PM Icebreaker and Presentation sessions close for the day; Dinner on your own.

A Broadcasters’ Dinner after the Icebreaker & Poster Session is being planned. The Broadcast Meteorology Committee Chair will announce specifics at the meeting.

Tuesday, 19 October 2004 - Annual Meeting General Sessions (Mutlnomah Room unless otherwise specified)

0730 AM NWA Registration and Information Desk opens in the foyer of the Multnomah Room (First Level of the Hotel).

0800 AM Map Briefing

SESSION IV - SEVERE WEATHER I

Session Chair: Steven J. Weiss (NWA President-Elect), NOAA/NWS/Storm Prediction Center, Norman, OK.

0815 AM The National Severe Storms Laboratory: 40 Years Young and Going Strong. Rodger A. Brown, NOAA/NSSL, Norman, OK, and Keli Tarp, NOAA Public Affairs, Norman, OK.

0830 AM Significant Severe Soundings from the Western States. Jeffrey P. Craven (NWA Councilor), NOAA/NWS Forecast Office, Jackson, MS.

0845 AM Severe Thunderstorm Environments in the Northern Intermountain Region and Northern Rockies. Jeffery Evans, NOAA/NWS/Storm Prediction Center, Norman, OK.


0915 AM The Perpetual Storm: A Case Study of the 21 May 2004 Great Lakes Derecho. Kirk Lombardy, NOAA/NWS Forecast Office, Cleveland, OH, and Betsy Kling (NWA Councilor), WKYC-TV, Cleveland, Ohio.

0930 AM Lightning Casualties: Updated Frequencies and Human Factor Concepts. Ron Holle, Holle Meteorology & Photography, Oro Valley, AZ.

0945 AM Combining Lightning with Satellite Data for Analysis and Prediction. Roderick A. Scnield (NWA Past President) and Robert J. Kuligowski, NOAA/NESDIS, Camp Springs, MD, and Shuang Qiu, QSS Group Inc., Lanham, MD.

1000 AM Coffee Break and POSTER SESSION II in the exhibit area (Pacific NW Ballroom)

POSTERS:

P2.1 WSR-88D Reflectivity Quality Control Using Horizontal and Vertical Reflectivity Structure. Jian Zhang, Shunxin Wang, and Beth Clarke, CIMMS/University of Oklahoma, Norman, OK.

P2.2 Using the Serp Analysis Tool to Remove Graphical Forecast Boundary Differences. Les Collin, NOAA/NWS Forecast Office, Boise, ID.


P2.4 An Automated Algorithm for Radar Beam Occultation. Carrie Langston and Jian Zhang, CIMMS/University of Oklahoma, Norman, OK.

P2.5 Highlights from the Third GOES-R Users’ Conference. James, J. Gurka, NOAA/NESDIS, Silver Spring, MD, Timothy J. Schmit NOAA/NESDIS/ORA, Madison, WI, and Dick Reynolds, Short and Associates, Annapolis, MD.

P2.6 Initiating a New Partnership for the 21st Century: NOAA/NWS and JSU Increasing Diversity in Atmospheric Science Through Research, Application, and in Partnership with the NWS (IDAS-RAP). John L. Shoemake, Dr. R.S. Reddy, Lyvon Kennard and Marque Jones, Jackson State University, Jackson, MS and Jeffrey P. Craven (NWA Councilor), NOAA/NWS Forecast Office, Jackson, MS.

P2.7 The NOAA/NWS Diversity Student Research Participation Summer Internship Program Administered by the Department of Energy’s Oak Ridge Institute for Science and Education (ORISE). John L. Shoemake, Monesa Watts, Rondah Smart, Brandon DeShields, and Kenneth Hair, Jackson State University, Jackson, MS.

Tuesday, 19 October 2004  continued

P2.9  The SPC Enhanced Thunderstorm Outlook Program.  Steven J. Weiss (NWA President-Elect), David R. Bright, Phillip D. Bothwell, and Gregory W. Carbin, NOAA/NWS/ Storm Prediction Center, Norman Oklahoma.


P2.11  AWIPS at the Spaceflight Meteorology Group: Using a NWS Forecast Office-based System for Worldwide Forecasts.  Doris Rotzoll and Timothy Oram, NOAA/NWS/ Spaceflight Meteorology Group, Houston, TX.

P2.12  MM5 Simulation of the April 1983 Pearl River Flood Event.  Georgette Holmes, Monesa Watts, and Dr. R.S. Reddy, Jackson State University, Jackson, MS.

P2.13  A High Resolution Nearshore Wave Model and Bar Forecast Model for Northwestern California.  Troy Nicolini, NOAA/NWS Forecast Office, Eureka, CA, Greg Crawford, Humboldt State University, Arcata CA, and Erick Rogers, Naval Research Lab, Stennis Space Center, MS.

P2.14  Infrared Geostationary Ozone Detection.  Christopher C. Schmidt and Jun Li, CIMSS/University of Wisconsin-Madison, Madison, WI.

P2.15  11 Inches of Snow From an Alberta Clipper?! Post-analysis of an Unlikely Heavy Snow Event.  Scott M. Rochette, SUNY Brockport, Brockport, NY, and Thomas A Niziol, NOAA/NWS Forecast Office, Buffalo, NY.


P2.17  An Easy Way to Convert Between Celsius and Fahrenheit - In Your Head!  Charlie Parrish, Medford, OR.


P2.20  Flash Internet Forecasts Delivered by Your Caricature.  Kenneth Reeves, James T. Candor, and Michael Steinberg, AccuWeather, Inc., State College, PA.

P2.21  Examination of Recent Windsstorms in the Inland Northwest.  Matt Fugazzi and John Livingston (NWA Councilor), NOAA/NWS Forecast Office, Spokane, WA.


1130 AM  Lunch On Your Own

SESSION V - WINTER WEATHER

Session Chair: John Scala (NWA Councilor), Millersville University, Millersville, PA.

0100 PM  Insights into Columbia Gorge Gap Flow Through High Resolution Simulations of Actual and Idealized Events.  Justin Sharp, Bonneville Power Administration, Portland, OR, and Cliff Mass, University of Washington, Seattle, WA.


0130 PM  Analysis of Two Mesoscale Snow Bands in Atypical Synoptic-Scale Flow Regimes.  Martin Baxter, Sam Ng, James T. Moore (NWA Councilor and Past President), and Charles Graves, Saint Louis University, Saint Louis, MO.

0145 PM  Examination of a Significant Convective Snow Event Using the RUC and NCEP 8-Km NMM.  Chris Melick and Patrick S. Market, University of Missouri-Columbia, Columbia, MO, Michael Bodner, NOAA/NWS/ Hydrometeorological Prediction Center, Camp Springs, MD, and Brian P. Petegrew and Rebecca L. Ebert, University of Missouri-Columbia, Columbia, MO.

0200 PM  A Case Study of an Anomalous Long Lived Convective Snowfall Event.  Rebecca L. Ebert and Patrick S. Market, University of Missouri-Columbia, Columbia, MO, and Michael Bodner, NOAA/NWS/Hydrometeorological Prediction Center, Camp Springs, MD.

0215 PM  The Automated Real-time Road Weather System (ARROWS) for Highway Maintenance Decision Makers.  Ed Boselly, Washington State Department of Transportation, Olympia, WA.

0230 PM  Refreshment Break; Exhibits open in the Pacific NW Ballroom

0300 PM  Workshop I: Aviation (TAF) (Ross Island & Morrison Rooms).  Tim Oram (Co-Chair NWA Aviation Weather Committee), NOAA/NWS/Spaceflight Meteorology Group, Houston, TX.

Workshop II: Toward Better Utilization of Satellite Information (Multnomah Room).  Gary S. Wade, NOAA/NESDIS/ORA/ARAD/Advanced Satellite Products Team, Madison, WI.

0500 PM  Dinner on your own; Exhibits close

0600 PM  NWA Council and Committee Chairs Business Dinner Meeting (Broadway Room)

Wednesday, 20 October 2004  Annual Meeting

General Sessions (Multnomah room unless otherwise specified)

0730 AM  NWA Registration and Information Desk opens in the foyer of the Multnomah Room (First Level of the Hotel).

0800 AM  Map Briefing


SESSION VI - HYDROLOGY/QPF

Session Chair: Roderick A. Scofield (NWA Past President), NOAA/NESDIS/ORA, Camp Springs, MD.

0845 AM  Regional Graphics from the Southern Region River Forecast Centers.  David Reed, NOAA/NWS/LMRFC, Slidell, LA.


0915 AM  Mesoscale Convective System Initiation and Propagation Characteristics During the 18-19 May 2004 Kansas City Flash Flood.  Adam Pasch, Michael Paddock, James T. Moore (NWA Councilor and Past President), and Charles Graves, Saint Louis University, Saint Louis, MO.

0930 AM  A System for National 3-D Mosaic and Multisensor Quantitative Precipitation Estimates.  Steve Vasilloff and Kenneth Howard, NOAA/NSSL, Norman, OK, Jian Zhang and Jonathan J. Gourley CIMMS/ University of Oklahoma, Norman, OK, and Dongjuin Seo, NOAA/NWS/OHD /HRL, Silver Spring, MD.
Wednesday, 20 October 2004 continued

0945 AM  Quantitative Precipitation Nowcasting: Coming Soon?  Neil I Fox, University of Missouri-Columbia, Columbia, MO.
1000 AM  Coffee Break; Exhibits Open in Pacific NW Ballroom (exhibits close after 1100 AM)

SESSION VII - TRAINING, EDUCATION, RESEARCH
Session Chair: Gail Hartfield, NOAA/NWS Forecast Office, Raleigh, NC.

1030 AM  Students in an Operational Context to See Climate, Environment, and Reality. Paul J. Croft (NWA President), Kean University, Union, NJ.
1100 AM  A Positive Reinforcement Approach to Severe Weather Safety Education. Daniel J. Miller and Richard D. Smith, NOAA/NWS Forecast Office, Norman, OK.
1130 AM  NWA Annual Awards Luncheon (Holladay Room)

SESSION VIII - CLIMATE
Session Chair: Alan Sealls (NWA Councilor), WKRG-TV, Mobile, AL.

0200 PM  Climate Service Partnership Activities at NOAA’s National Climatic Data Center. Tim Owen, NOAA/NESDIS/NCDC, Asheville, NC.
0215 PM  Issues in Mapping Climate at Multiple Time and Space Scales. Greg Johnson, USDA-NRCS, Portland OR, Chris Daly and George Taylor, Oregon State University, Corvallis, OR, and Phil Pasteris, USDA-NRCS, Portland, OR.
0230 PM  Snowpack Trends in the Western U.S. Phil Mote, University of Washington, Seattle, WA.
0245 PM  Using Climate Data to Support Forecast Operations at NWS Forecast Office, Jackson, MS. John P. Gagan, Eric E. Carpenter, and Jeffrey P. Craven (NWA Councilor), NOAA/NWS Forecast Office, Jackson, MS.
0300 PM  Using Seasonal and Weekly Precipitation Patterns to Predict the Probability of Summer Drought and the Effects on Crop Yields Over Northwest Missouri. Patrick E. Guinan, and Anthony R. Lupo, University of Missouri-Columbia, Columbia, MO.
0315 PM  Refreshment Break
0330 PM  Workshop III: Western U.S. Severe Weather (Multnomah room). Doug Green, NOAA/NWS Forecast Office, Phoenix, AZ, Jon Mittelstadt, NOAA/NWS Forecast Office, Pendleton, OR, and Ronald Miller, NOAA/NWS Forecast Office, Spokane WA.
0500 PM  Dinner on your own
0600 PM NWA Council Business Dinner Meeting (Morrison Room)

Thursday, 21 October 2004 – Annual Meeting General Sessions (Holladay Room)
0730 AM  NWA Registration and Information Desk opens in the foyer of the Multnomah Room (First Level of the Hotel)
0800 AM  Map Briefing

SESSION IX - SPECIAL SESSION: THE OPERATIONAL BENEFITS OF THE NEXT GENERATION OF ENVIRONMENTAL SATELLITES
Session Chair: Kenneth Carey, Metreetek Systems, Inc., Falls Church, VA.

0830 AM  A Preview of Forecaster Imaging Applications From NPOESS. Thomas F. Lee, Steven D. Miller, Jeffrey D. Hawkins, and F.J. Turk, Naval Research Lab, Monterey CA.
0845 AM  The GOES-R System Description. James J. Gurka, NOAA/NESDIS, Silver Spring, MD, and Timothy J. Schmit, NOAA/NESDIS/ORA, Madison, WI.
0900 AM  Operational Benefits of the Advanced Baseline Imager (ABI) on Geostationary Operational Environmental Satellites (GOES)-R. Timothy J. Schmit, NOAA/NESDIS/ORA Madison, WI, James J. Gurka, NOAA/NESDIS, Silver Spring, MD, Mathew M. Gunshor, CIMSS/University of Wisconsin-Madison, Madison, WI, Paul Menzel, NOAA/NESDIS/ORA, Madison, WI, and Jun Li, CIMSS/University of Wisconsin-Madison, Madison, WI.
0915 AM  MODIS Data in AWIPS: A Precursor of NPOESS and GOES-R Capabilities. Gary Jedlovec, NASA, Huntsville, AL, Stephanie L. Haines, University of Alabama at Huntsville, Huntsville, AL, Ronnie J. Suggs, NASA, Huntsville, AL, and Tom Bradshaw and Jason Burks, NOAA/NWS Forecast Office, Huntsville, AL.
0930 AM  The Lightning Mapper Sensor. Dennis Buechler, University of Alabama Huntsville, Huntsville, AL, and Hugh Christian and Steve Goodman, NASA/MSFC, Huntsville, AL.
0945 AM  The GOES-12 Imager Cloud Product. Anthony J. Schreiner and James A. Jung, CIMSS/University of Wisconsin-Madison, Madison, WI, Timothy J. Schmit and Jaime Daniels, NOAA/NESDIS/ORA, Madison, WI, and Wayne Felz, CIMSS/University of Wisconsin-Madison, Madison, WI.
1000 AM  Coffee Break

SESSION X – RADAR/TECHNOLOGY
Session Chair: Liz Quoetone (NWA Vice President), NOAA/NWS/Warning Decision Training Branch, Norman, OK.

1100 AM  AWIPS Local Data Ingest: LDAD Challenges and Issues. Timothy Oram, Tim Garner, and Brian Hoeth, NOAA/NWS/Spaceflight Meteorology Group, Houston, TX.
1115 AM  Integrating Users into System Design: CASA, the Center for Collaborative Adaptive Sensing of the Atmosphere. Brenda Phillips, University of Massachusetts, Amherst, MA, Walter Diaz, University of Puerto Rico, Mayaguez, Puerto Rico, Kevin Kloeanel, University of Oklahoma, Norman, OK, and Havidan Rodriguez and Bill Donner, University of Delaware, Newark, DE.
Thursday, 21 October 2004 continued


1200 Noon  Lunch on Your Own

SESSION XI - SEVERE WEATHER II

Session Chair: Jeffrey Craven (NWA Councilor), NOAA/NWS Forecast Office, Jackson, MS.

0130 PM  Watch By County Status Update. Richard Okulski, NOAA/NWS/OCWWS, Silver Spring, MD, and Daniel McCarthy (NWA Councilor), NOAA/NWS/Storm Prediction Center, Norman OK

0145 PM  Enhanced Convective Watch Products. Daniel McCarthy (NWA Councilor), Richard Thompson, and Joseph T. Schaefer (NWA Past President), NOAA/NWS/Storm Prediction Center, Norman, OK.

0200 PM  Polygon Warnings - Sharpening the Focus of Service. Mike Coyne, NOAA/NWS/Southern Region Headquarters, Fort Worth, TX.


0230 PM  Severe Thunderstorm Events and Solar Activity. Joseph T. Schaefer (NWA Past President), NOAA/NWS/Storm Prediction Center, Norman, OK, and Andrew R. Dean, CIMMS/University of Oklahoma and NOAA/NWS/Storm Prediction Center, Norman, OK.

0245 PM  The Use of Guidance from the High Resolution Weather Research and Forecasting (WRF) Model to Forecast Severe Storms. Steven J. Weiss (NWA President-Elect), NOAA/NWS/Storm Prediction Center, Norman, OK, John S. Kain, CIMMS/University of Oklahoma and NOAA/NSSL, Norman, OK, Jason J. Levit, NOAA/NWS/Storm Prediction Center, Norman, OK, Michael E. Baldwin, CIMMS/University of Oklahoma and NOAA/NSSL, Norman, OK, and David R. Bright, NOAA/NWS/Storm Prediction Center, Norman, OK.

0300 PM  Maintaining Operational Readiness in a Warning Environment: Development and Use of the Situation Awareness Display System (SADS). Liz Quoetone (NWA Vice President), NOAA/NWS/WDTB, Norman, OK, David L. Andra and Michael P. Foster NOAA/NWS Forecast Office, Norman, OK, and Ed Mahoney, NOAA/NWS/WDTB, Norman, OK.

0315 PM  MCV-Induced Severe Weather Event of July 21, 2003 Across Pennsylvania. John R. Scala (NWA Councilor), Millersville University, Millersville, PA, Christopher Hain, University of Alabama at Huntsville, Huntsville, AL, and Kevin Lipton, NOAA/NWS Forecast Office, State College, PA.

0330 PM  The Role of the Planetary-Scale Flow Regime in the May 2003 Tornado Outbreaks: How Unusual was the Situation? Andrew R. Kunz and Anthony R. Lupo, University of Missouri-Columbia, Columbia, MO.

0345 PM  Closing Remarks: NWA President Dr. Paul J. Croft and President-Elect Steven J. Weiss.

0400 PM  NWA 29th Annual Meeting Adjourns

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